

REVISED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/094246 A3

(51) International Patent Classification⁷: **A61F 5/00**

(21) International Application Number:
PCT/US2004/006198

(22) International Filing Date: 1 March 2004 (01.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **BSN MEDICAL, INC.** [US/US]; Corporation Trust Center, 1209 Orange Street, Wilmington, DE 19801 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **EVANS, John, C.** [GB/GB]; 14, Haugh Fold, Newhey, Nr Rochdale., Lancashire OL16 3RF (GB).

(74) Agents: **HINES, Jonathan, M.** et al.; Adans Evans P.A., 2180 Two Wachovia Center, Charlotte, NC 28282 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report

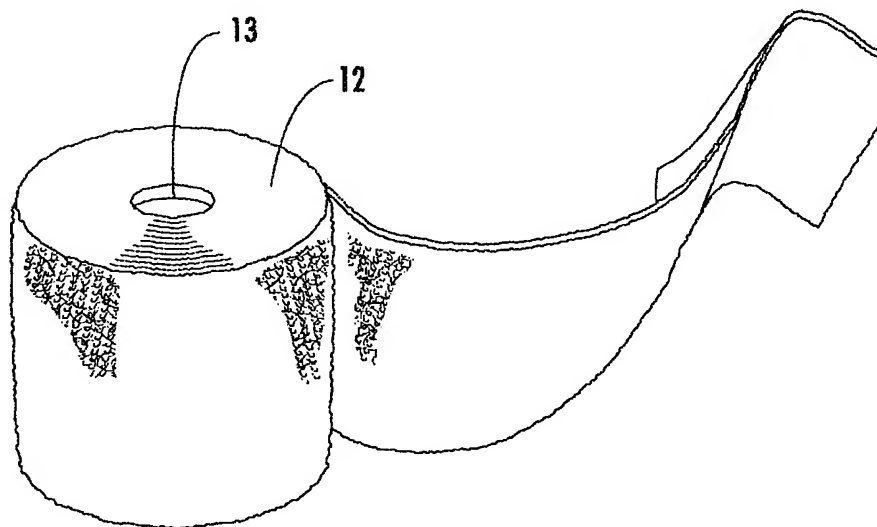
(88) Date of publication of the international search report:
12 January 2006

Date of publication of the revised international search report:
11 May 2006

(15) Information about Correction:
see PCT Gazette No. 19/2006 of 11 May 2006

[Continued on next page]

(54) Title: **SOFT CAST MATERIAL**



(57) **Abstract:** A medical bandaging product (10), including a package (11) formed of a moisture-impervious material and sealable to prevent entry of moisture. A medical bandage (12) is positioned within the package (11) in substantially moisture-free conditions and sealed therein against moisture until use. The medical bandage (12) is constructed of a fabric having a pair of opposed, major surfaces and a reactive system impregnated into or coated onto the fabric. The reactive system remains stable when maintained in substantially moisture-free conditions and hardens upon exposure to sufficient moisture to form a self-supporting structure having an immobilization value of less than about 43. The fabric is preferably knitted.



WO 2005/094246 A3



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.